

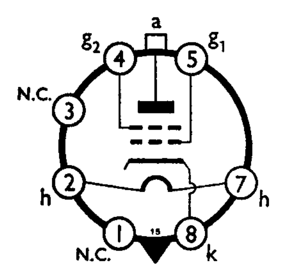
OUTPUT TETRODE

0·3A INDIRECTLY HEATED

KT36

APRIL, 1952

BASE CONNECTIONS AND VALVE DIMENSIONS



View from underside of base.

Base : International octal
Bulb : Dome top pear

Overall length :	123—133	mm.
Seated length :	109—119	mm.
Max. diameter :	45	mm.
Top cap :	CT1	

RATING

Pentode Connection

I_h	0·3		A
V_h	26	approx.	V
V_{h-k} (r.m.s.)	200	max.	V
V_a	250		V
v_a (pk)	4	max.	kV
V_{g2}	200		V
p_a	10	max.	W
p_{g2}	3	max.	W
g_m at $V_a = V_{g2} = 150$, $V_{g1} = -10$	11		mA/V

Triode Connection

$V_{a,\,g2}$	200		V
$p_{a,\,g2}$	13	max.	W
μ } at $V_{a,g2} = 150$, $V_{g1} = -10$	7·5		
r_a } at $V_{a,g2} = 150$, $V_{g1} = -10$	800		Ω
g_m } at $V_{a,g2} = 150$, $V_{g1} = -10$	10·5		mA/V

CAPACITANCES

$c_{g1\text{-}all}$	20	pF
$c_{a\text{-}all}$	12	pF
$c_{a\text{-}g1}$	1·2	pF

SCREENING

No screening is fitted to the valve and, generally, no screening is required.

MOUNTING

Any position.

RETAINING

No retaining device is necessary.

VENTILATION

Adequate ventilation must be provided round the bulb.

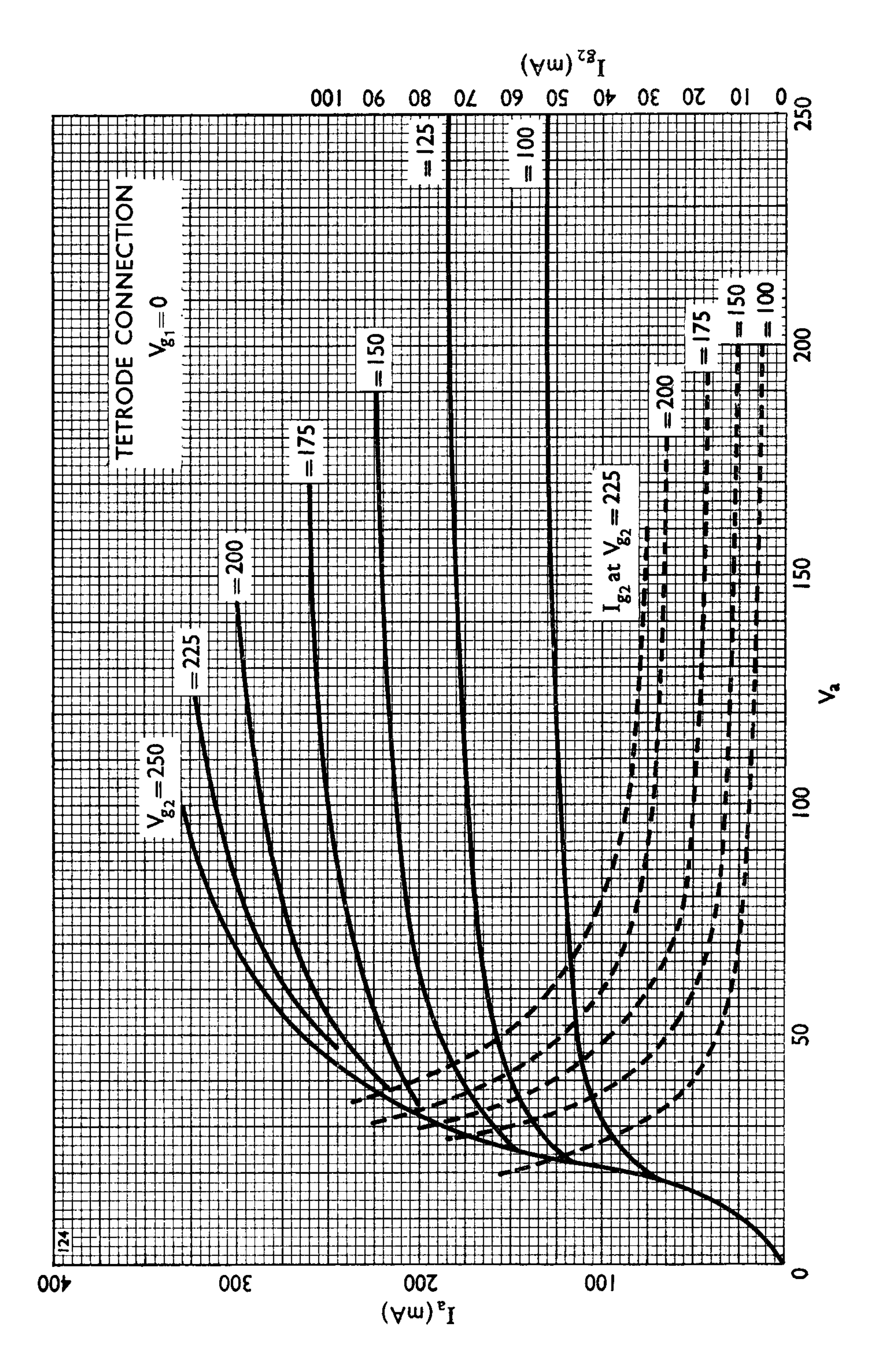
MICROPHONY

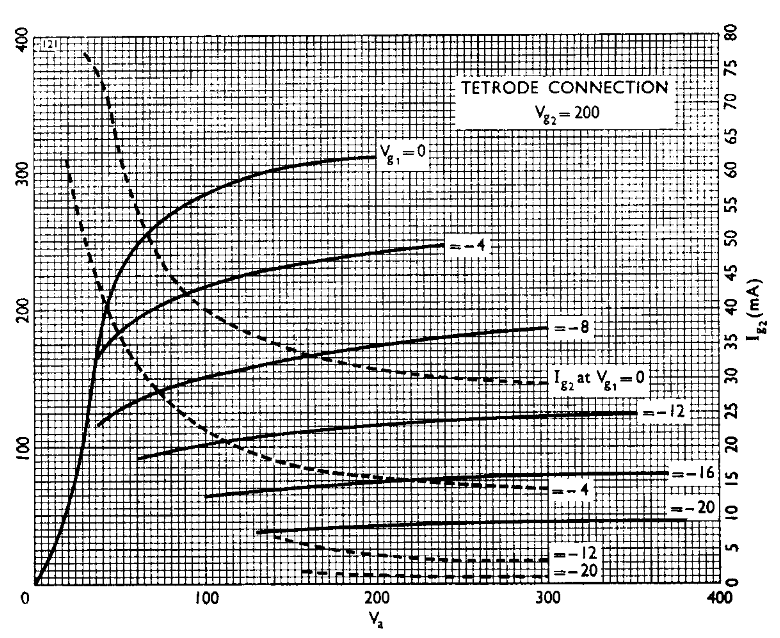
Although this is of a very low order, equipment should be designed to minimise microphony.

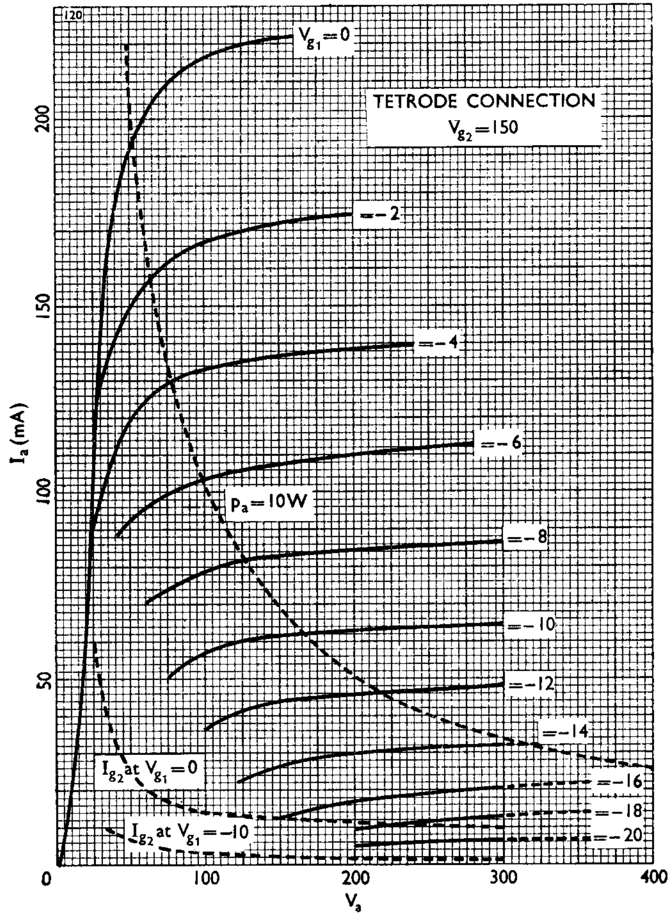
MARCONI'S WIRELESS TELEGRAPH COMPANY LIMITED

Head Office: Marconi House, Chelmsford · Telephone: Chelmsford 3221 · Telegraphic Address: Expanse, Chelmsford

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TETRODE CONNECTION
$V_{g1}=0$
$V_{g2}=250$
=225
=200
=175
=150
=125
=100
I_{g2} at $V_{g2}=225$
=200
=175
=150
=100
I_{g2} (mA)
I_a (mA)
V_a
124


TETRODE CONNECTION
V_{g2} = 200
V_{g1} = 0
= −4
= −8
I_{g2} at V_{g1} = 0
= −12
= −16
= −4
= −20
= −12
= −20
I_{g2} (mA)
V_a


TETRODE CONNECTION
V_{g2} = 150
V_{g1} = 0
= −2
= −4
= −6
P_a = 10W
= −8
= −10
= −12
= −14
= −16
= −18
= −20
I_{g2} at V_{g1} = 0
I_{g2} at V_{g1} = −10
I_a (mA)
V_a

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TRIODE CONNECTION

TETRODE CONNECTION